

State Of Washington
Department Of Ecology
Shorelands and Environmental Assistance Program

Coastal Zone Management
Section 306, 306A, 309 and 6217 Grant

Federal Fiscal Year 2001
Grant Award No. NA17OZ1143

Section "A"

Performance Report
For the period July 1, 2002 through December 31, 2002

3rd Semi-Annual Report

January, 2003

Washington Shorelands & Environmental Assistance Program
FFY 2001 Coastal Zone Management Grant
Sections 306/306A/309/6217

Table of Contents

Section A

Chapter 1 -- Section 306

Task 1.1 Coastal Zone Management 3

Task 1.5 Federal Permitting 4

Task 1.6 Padilla Bay Reserve..... 5

Chapter 2 -- Section 309

Task 2.1 Implementation of Legislative Changes to the Shoreline Management Act.. 6

Chapter 3 -- Section 6217

Task 3.1 Managing Nonpoint Pollution in the Coastal Zone 7

Attachment 1

Performance Report-Local Government Grants 8

Chapter 1 -- Section 306/306A

Task 1.1 Coastal Zone Management

Coastal Zone Management Grants to Locals

See Attached Chart

Assessing Marine Habitat Under the New SMA

The data sets made accessible through this project to southwestern Washington jurisdictions were incorporated into the first phase of SMP updates in Wahkiakum County, City of Long Beach and Ilwaco. All three jurisdictions have either completed or are in the process of completing map portfolios that include much of the georeferenced aerial photography and shoreline change information that they have recently acquired, overlain with local land use, zoning, property ownership and public access data. The recent completion of the oblique aerial photography mapping has provided the jurisdictions with the ability to inventory shoreline modifications and bulkheading.

Online Coastal Information and Education

Comments on the test web were incorporated into the final version that is now posted

Coastal Air Photo Monitoring

We completed the 2000-2002 marine shoreline photo series for the Washington Coast. Shooting included the remaining 915 miles of coastline in San Juan county, the Pacific coast of Clallam, Jefferson, Grays Harbor, Wahkiakum and Pacific counties, Grays Harbor and Willapa Bay estuaries, the Columbia River shoreline of Pacific and Wahkiakum counties. All photos were delivered to us digital images in three different sizes (thumbnail, "web-sized", and large) along with each photo global position coordinates. The photos have been html hyperlinked on image maps for high resolution viewing on cds by county and are also available on Digital Coastal Atlas web site http://www.ecy.wa.gov/programs/sea/SMA/atlas_home.html

Task 1.5 Federal Permitting
Clean Water Act Section 404 Review

Ecology staff have been analyzing and researching database needs. We will be meeting with consultants shortly and negotiating a contract.

Task 1.6 Padilla Bay Reserve

Non-chemical *Spartina* Control and Monitoring in Padilla Bay

Survey of *Spartina* took place in May & June, 2002. There was less than an acre of *S. alterniflora* on Dike Island and 0.003 acres of *S. anglica* between the Swinomish Spit and Oswald's property. Most of the control was accomplished at the same time as the survey by digging plants. We visited problem sites twice, so went back to monitor and dig any new plants at the Swinomish Spit, Telegraph Slough, and the Oswald property in August, 2002. We followed up on Dike Island in early September, digging a few plants on the west tip of the island.

Padilla Bay Research Assistantships

Brian Maricle, "Physiological Assessments of Vigor in Pacific Estuary Invaders: *Spartina alterniflora* and *Spartina anglica*." Brian published his thesis entitled "Aerenchyma development and oxygen transport in the estuarine cordgrasses *Spartina alterniflora* and *S. anglica*" in May 2002 and found that *S. anglica* plants were able to transport substantial oxygen from their leaves to their roots where no oxygen transport was detected in *S. alterniflora* plants. Increased aerenchyma formation in *S. alterniflora* in flooded soil conditions did not induce oxygen transport. He completed his work under this grant and is finishing a paper based on this work entitled "The effect of mowing on oxygen-transport in *Spartina anglica*" which he hopes to publish. He found that mowing to stubble has very little effect on oxygen transport within *S. anglica* and may only function to prevent seed set in mature plants. (Funding through CZM306)

Chapter 2 -- Section 309

Task 2.1 Implementation of Legislative Changes to the Shoreline Management Act

During the July through December 2002 reporting period 309 funding was used to cover costs associated with the Shoreline Management Act Guidelines negotiations and initial startup of the required economic impact analyses associated with rule adoption.

Chapter 3 -- Section 6217

Task 3.1 Managing Nonpoint Pollution in the Coastal Zone

Coastal Nonpoint Septic Education

We completed the septic workshop series and, because of identified need, are addressing other related non-point coastal topics. High priority needs for coastal training and workshops were identified by the coastal management team. These trainings will be offered in the spring of '03.

One training did occur during this time period: -Coastal Planners Group – Training (\$350), *Alternatives to Armoring for Marine Shoreline Control*, October 25, 2002, Lacey Community Center, 87 attendees.

Coastal Zone Management
Washington State Department of Ecology

Local Government Grants -- Semi-Annual Progress Report

Reporting Period (7/1/2002 -- 12/31/2002)

FFY 01

Recipient	Type	Project Officer	Comments
Everson, City of Supplemental Shoreline Inventory	CZM 306 G0200085	Barry Wenger Start 9/1/01 End: 10/1/02	City completed all required elements of the grant on time which was extended two months until Nov 30, 2002. Inventory updated the City's fish and wildlife habitat characteristics and provided BAS for proposed environment designation amendments.
Gig Harbor, City of SMP Update	CZM306 G020048	Randy Davis Start 7/1/01 End: 6/30/03	Project is a comprehensive update of the SMP. The recipient has enhanced the original planning process to include additional shoreline inventory work and public participation. The grant completion date was extended to June 30, 2003.
Mason County Digital Mapping of Shorelands Parcels	CZM306 G0200228	Ann Boeholt Start: End: 11/30/02	The Project Manager at the County notified us in December 2002 that they will not be able to complete these grant. They had not submitted any payment requests. These funds are, presumably, now available for other projects.
Mukilteo, City of SMP Update -- Final Phase	CZM 306 G0200090	Alice Schisel Start: 7/1/01 End: 6/30/03	Since our last report, the City's planning director was out of the office for an extended period due to illness. That and other issues prevented the City from progressing with the SMP update. Ecology's staff working with the City has since concluded that it would be in the state's best interest to shepherd this SMP along and get it back on track. We have offered the City additional funds which were available for reprogramming. This will allow them to hire consultant assistance in completing a restructured scope of work that can realistically be completed by June 2003. This work entails completing documentation of the shoreline inventory and preparing the draft SMP for the City's public review and adoption process.
North Bend, City of SMP Update	CZM 306 G0200104	Bob Fritzen Start: 7/1/01 End: 11/30/02	The City completed its shoreline inventory work and has submitted all required information to Ecology.

Coastal Zone Management
Washington State Department of Ecology

Local Government Grants – Semi-Annual Progress Report

Reporting Period (7/1/2002 – 12/31/2002)

FFY 01

Recipient	Type	Project Officer	Comments
Pacific County Involvement in Bio-intensive Spartina control (public outreach / networking)	CZM 306 G0200046	Perry Lund Start: 7/1/01 End: 6/30/03	Through a cooperative arrangement with the Columbia Pacific Resources Center, there have been several excellent newsletters produced, public workshops, and landowner outreach efforts
Port Townsend, City of SMP Update, Phase I	CZM 306 G0200034	Randy Davis Start: 7/1/01 End: 11/30/02	Project is Phase I of the comprehensive update of the SMP and involves the preparation of a shoreline inventory and atlas. The shoreline inventory and atlas were completed on time. The recipient has proceeded to Phase II, which are general goals, policies and shoreline environment designations for the new SMP.
Port Townsend, Port of Heritage Campus Public Access	CZM 306 G0200076	Jeff Stewart Start: 7/1/01 End: 11/30/02	Public access plan developed. Surveys completed and easements recorded for public access trail linking upper and lower areas of Port Hadlock. Planning substantially complete for construction of marine trades, recreational and public access facilities.
Steilacoom, Town of Marine Outreach Program	CZM306 G0200069	Jeff Stewart Start: 7/1/01 End: 11/30/02	Report complete. Educational workshops held to encourage citizen awareness of intertidal zone and beach processes.
Sultan, City of Osprey Park Pedestrian Bridge Placement	CZM 306A G0200025	Joan Velikanje End 12/31/02	The City installed the pedestrian bridge, submitted their buffer revegetation plan, completed the buffer planting & submitted the final billing paperwork within the 12/31/02 deadline.
Sumner, City of Phase 2: SMP Update	CZM306 G0200047	Randy Davis Start: 7/1/01 End: 4/30/03	Phase II is the preparation of a final draft SMP and its review and adoption. The final draft SMP is currently under review by the city council. The grant completion date was extended to April 30, 2003
Wahkiakum County SMP Update	CZM306 G0200039	Randy Davis Start: 7/1/01 End: 4/30/03	This project is Phase I of the SMP update and involves the preparation of a shoreline atlas. The recipient has completed the shoreline inventory work and atlas. The recipient is currently preparing a supplemental atlas that will consist of an aerial photo portfolio. The grant completion date was extended to April 30, 2003.

Coastal Zone Management
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Local Government Grants – Semi-Annual Progress Report

Reporting Period (7/1/2002 – 12/31/2002)

FFY 01

Recipient	Type	Project Officer	Comments
Wahkiakum, Port District 2	CZM306	Brad Murphy	The Final report was turned in by August the project is complete.
Columbia River Estuary Dredged Material Management Plan	G0200124	Start: 7/1/01 End: 6/30/02	